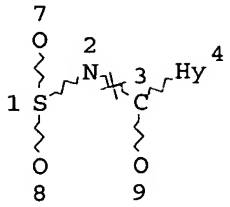
=> d que l8
L6 STR



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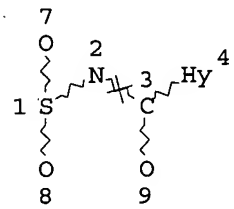
NSPEC IS RC AT 3
CONNECT IS E1 RC AT 9
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY LOQ AT 4
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M1 S AT 4

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L8 24 SEA FILE=REGISTRY SSS FUL L6

=> d que l39
L6 STR



NODE ATTRIBUTES:
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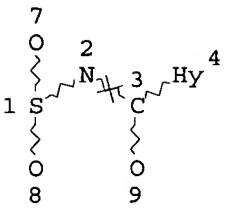
CONNECT IS E1 RC AT 9
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY LOQ AT 4
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS M1 S AT 4

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE
L8 24 SEA FILE=REGISTRY SSS FUL L6
L35 STR

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NODE ATTRIBUTES:
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NSPEC   IS RC     AT   3
CONNECT IS E1  RC AT   9
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT   4
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1 S  AT   4

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
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                NRRS>1
L38          24 SEA FILE=REGISTRY SUB=L36 SSS FUL L35
L39           0 SEA FILE=REGISTRY ABB=ON  PLU=ON  L38 NOT L8


=> d his l16

     (FILE 'HCAPLUS, USPATFULL, TOXCENTER' ENTERED AT 12:49:47 ON 20 APR 2005)
L16          18 DUP REM L15 (3 DUPLICATES REMOVED)

=> d que nos l16
L6              STR
L8           24 SEA FILE=REGISTRY SSS FUL L6
L15          21 SEA L8
L16          18 DUP REM L15 (3 DUPLICATES REMOVED)


=> d his l18

     (FILE 'MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 12:50:52 ON 20 APR 2005)
L18           0 S L17

=> d que nos l18
L6              STR
L8           24 SEA FILE=REGISTRY SSS FUL L6
L17             SEL  PLU=ON  L8 1- CHEM :      24 TERMS
L18           0 SEA L17


=> d que nos l14
L6              STR
L13           2 SEA FILE=BEILSTEIN SSS FUL L6
L14           2 SEA FILE=BEILSTEIN ABB=ON  PLU=ON  L13 NOT RN/FA
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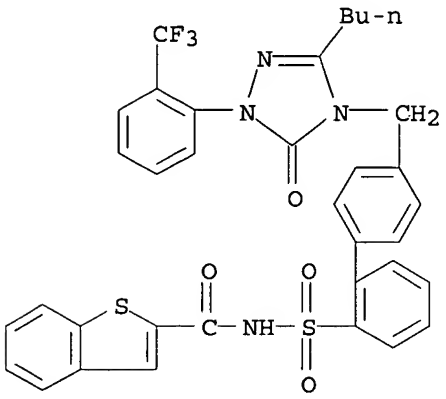
=> d ibib ed ab hitstr l16
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS, USPATFULL' - CONTINUE? (Y)/N:y

L16 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 1995:607987 HCAPLUS
DOCUMENT NUMBER: 123:286034
TITLE: Substituted triazolinones, triazolinethiones, and triazolinimines as angiotensin II antagonists
INVENTOR(S): Ashton, Wallace T.; Chang, Linda L.; MacCoss, Malcolm; Chakravarty, Prasun K.; Greenlee, William J.; Patchett, Arthur A.; Flanagan, Kelly
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 90 pp. Cont.-in-part of U.S. Ser. No. 899,868, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5411980	A	19950502	US 1992-994228		19921221
ZA 9204916	A	19930331	ZA 1992-4916		19920702
PRIORITY APPLN. INFO.:			US 1989-386328	B2	19890728
			US 1990-504507	B2	19900404
			US 1991-725720	B2	19910703
			US 1991-812891	B2	19911220
			US 1992-899868	B2	19921217

OTHER SOURCE(S): MARPAT 123:286034
ED Entered STN: 14 Jun 1995
AB There are disclosed new substituted triazolinone compds. I [R2a = H, halo; R2b = H, halo, C1-4-alkyl; R3a = H, halo; R3b = H, halo, C1-4-alkyl; E is a single bond; R6 = (un)substituted C1-6-alkyl; R23 = e.g., (un)substituted Ph, branched C3-7-alkyl, C3-7-cycloalkyl; V1 = H, Me, CF3, halogen, with the proviso that V1 = CF3 when V2 = H; V2 = e.g., H, NO2, NR10R21; R10 = H, C1-4-alkyl; R21 = H or R22; R22 = e.g., C1-6-alkyl, C3-7-cycloalkyl; aryl] which are useful as angiotensin II antagonists. Thus, e.g., reaction of 4-bromomethyl-2'-(t-butoxycarbonyl)biphenyl with K phthalimide afforded 82% N-[[2'-(t-butoxycarbonyl)biphenyl-4-yl]methyl]phthalimide; hydrazinolysis afforded 88% 4-aminomethyl-2'-(t-butoxycarbonyl)biphenyl; reaction with CS2/MeI afforded 84% Me N-[[2'-(t-butoxycarbonyl)biphenyl-4-yl]methyl]dithiocarbamate; reaction of the latter with hydrazine afforded 79% 4-[[2'-(t-butoxycarbonyl)biphenyl-4-yl]methyl]-3-thiosemicarbazide; heterocyclization with tri-Me orthovalerate afforded 63% 4-[[2'-(t-butoxycarbonyl)biphenyl-4-yl]methyl]-5-butyl-2,4-dihydro-3H-1,2,4-triazole-3-thione; removal of the t-Bu group with trifluoroacetic acid afforded the corresponding 2'-carboxy derivative (21%). Representative compds. of the invention act as angiotensin II receptor antagonists with activity of at least IC50 < 50 μM. Pharmaceutical formulations were given.
IT **147776-19-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(substituted triazolinones, triazolinethiones, and triazolinimines as angiotensin II antagonists)
RN 147776-19-0 HCAPLUS

CN Benzo[b]thiophene-2-carboxamide, N-[[4'-[[3-butyl-1,5-dihydro-5-oxo-1-[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazol-4-yl]methyl][1,1'-biphenyl]-2-yl]sulfonyl]- (9CI) (CA INDEX NAME)



=> d ibib ed ab hitstr l16 2-
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS, USPATFULL' - CONTINUE? (Y)/N:y

YOU HAVE REQUESTED DATA FROM 17 ANSWERS - CONTINUE? Y/(N):y

L16 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2
ACCESSION NUMBER: 1990:571693 HCAPLUS
DOCUMENT NUMBER: 113:171693
TITLE: Preparation of N-[(aroylsulfamoyl)phenyl]ureas and analogs ureas as herbicide safeners
INVENTOR(S): Burckhardt, Urs; Soliman, Raafat; Toepfl, Werner; Waespe, Hans Rudolf
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 61 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 365484	A1	19900425	EP 1989-810778	19891011
EP 365484	B1	19930107		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 84302	E	19930115	AT 1989-810778	19891011
ES 2054088	T3	19940801	ES 1989-810778	19891011
CA 2000928	AA	19900420	CA 1989-2000928	19891018
JP 02174754	A2	19900706	JP 1989-273625	19891020
JP 2753872	B2	19980520		
BR 8905321	A	19901016	BR 1989-5321	19891020
HU 56058	A2	19910729	HU 1990-261	19900124
RU 2060006	C1	19960520	RU 1990-4743588	19900413
US 5215570	A	19930601	US 1991-637097	19910103
LV 10995	B	19960620	LV 1993-415	19930525
LT 3943	B	19960527	LT 1993-1664	19931223

PRIORITY APPLN. INFO.:

CH 1988-3914	A	19881020
EP 1989-810778	A	19891011
US 1989-422863	B2	19891017
SU 1990-4743588	A	19900413

OTHER SOURCE(S): MARPAT 113:171693

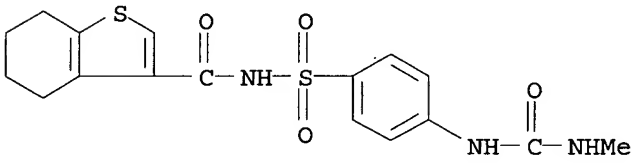
ED Entered STN: 09 Nov 1990

AB The title compds. [I; A = (un)substituted aryl; R1,R2 = H, alkyl, cycloalkyl, (un)substituted Ph, etc.; NR1R2 = heterocyclyl; R3 = H, alkyl; R4,R5 = H, halo, cyano, NO2, CF3, alkyl, etc.; R4,R5 = atoms to complete an (un)substituted fused ring] were prepared Thus, 4-(H2N)C6H4SO2NH2 was stirred 1 h at 50° with ClCO2Ph in dioxane and the product treated with MeNH2 in EtOH to give 4-(MeNHCONH)C6H4SO2NH2 which was stirred 2.5 h with 3,4-Me2C6H3COCl in MeCN containing 4-dimethylaminopyridine and Et3N to give title compound II. The latter at 250 g/ha gave 50% protection against 125 g/ha N-[2-(2-methoxyethoxy)phenylsulfonyl]-N'-(4,6-dimethoxy-1,3,5-triazin-2-yl)urea applied to sorghum preemergent.

IT **129513-59-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as herbicide safener)

RN 129513-59-3 HCAPLUS

CN Benzo[b]thiophene-3-carboxamide, 4,5,6,7-tetrahydro-N-[[4-[[(methylamino)carbonyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 1986:148765 HCAPLUS

DOCUMENT NUMBER: 104:148765

TITLE: Prostaglandin antagonists

INVENTOR(S): Rokach, Joshua; Rooney, Clarence S.; Cragoe, Edward J., Jr.

PATENT ASSIGNEE(S): Merck and Co., Inc., USA; Merck Frosst Canada, Inc.

SOURCE: U.S., 31 pp. Cont.-in-part of U.S. Ser. No. 210,082, abandoned.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

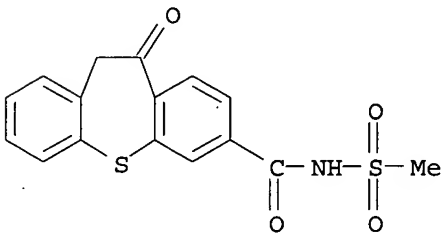
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4536507	A	19850820	US 1982-396452	19820708
ZA 7804231	A	19800227	ZA 1978-4231	19780725
AT 7142	E	19840515	AT 1980-301811	19800530
ZA 8003268	A	19820127	ZA 1980-3268	19800602
AU 8169575	A1	19820603	AU 1981-69575	19810415
AU 549020	B2	19860109		

PRIORITY APPLN. INFO.:

US 1977-819199	A2	19770726
US 1978-917212	A2	19780623
US 1979-44444	A2	19790601
US 1979-44445	A2	19790601

US 1980-155323	A2	19800602
US 1980-210082	A2	19801124
EP 1980-301811	A	19800530
US 1980-209434	A	19801124

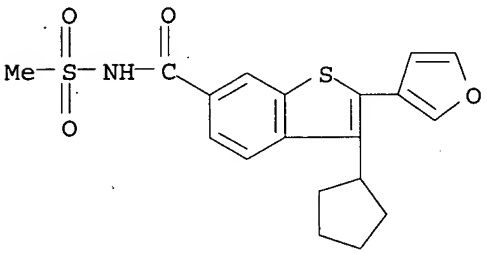
OTHER SOURCE(S): CASREACT 104:148765
ED Entered STN: 03 May 1986
AB The title compds. (no data) I and II (R = H, halo, C1-4 alkyl, -alkanoyl, -alkoxy, -alkylthio, -alkylsulfinyl or -sulfonyl, OH, CF3, SH, etc.; A = heterocyclyl, COR2, R2 = OH, alkoxy, (un)substituted amino, etc.; Z = S, SO, SO2; n = 0-4) and their salts were prepared Thus, 3-cyanodibenzo[b,f]thiepin, prepared in 9 steps from m-dibromobenzene and thiosalicylic acid, was hydrolyzed to give 95.8% dibenzo[b,f]thiepin-3-carboxylic acid (II; R = H, A = CO2H, n = 0).
IT **71489-94-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as prostaglandin antagonist)
RN 71489-94-6 HCAPLUS
CN Dibenzo[b,f]thiepin-3-carboxamide, 10,11-dihydro-N-(methylsulfonyl)-11-oxo- (9CI) (CA INDEX NAME)



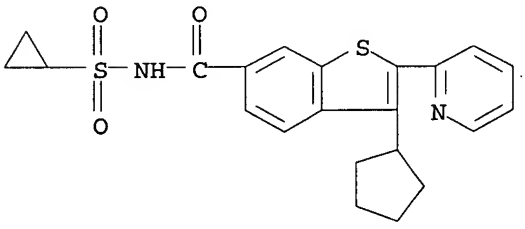
L16 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:633560 HCAPLUS
DOCUMENT NUMBER: 141:174170
TITLE: A preparation of heterocyclic compounds, useful as inhibitors of RNA dependent RNA polymerases, such as hepatitis C virus polymerase
INVENTOR(S): Poupart, Marc-Andre; Beaulieu, Pierre Louis; Rancourt, Jean
PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Germany; Boehringer Ingelheim Pharma GmbH & Co Kg
SOURCE: PCT Int. Appl., 77 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064925	A1	20040805	WO 2004-CA17	20040119
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ				
US 2004186125	A1	20040923	US 2004-755544	20040112

PRIORITY APPLN. INFO.: US 2003-441674P P 20030122
OTHER SOURCE(S): MARPAT 141:174170
ED Entered STN: 06 Aug 2004
AB The invention relates to a preparation of heterocyclic compds. of formula I [wherein: R1 is (cyclo)alkyl, cycloalkenyl, 4 to 7-membered heterocyclic ring, etc.; R2 is halogen or (un)substituted (hetero)aryl; B is N and A is :CH-, or :N-, etc.; B is :C- and A is O, S, or NH, etc.; M1 and M4 are independently selected from CR3; M2 and M3, when not linked to -C(:Y)Z, is CR3; R3 is H, halogen, CN, or azido, etc.], useful as inhibitors of RNA dependent RNA polymerases, particularly those viral polymerases within Flaviviridae family, more particularly to hepatitis C virus (HCV) polymerase. For instance, NS5B RNA dependent RNA polymerase inhibition of pyridinylindole derivative II was determined (compound 101, table 1; IC50 < 1μM).
IT **733035-64-8P 733035-65-9P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclic compds., useful as inhibitors of RNA dependent RNA polymerases)
RN 733035-64-8 HCAPLUS
CN Benzo[b]thiophene-6-carboxamide, 3-cyclopentyl-2-(3-furanyl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 733035-65-9 HCAPLUS
CN Benzo[b]thiophene-6-carboxamide, 3-cyclopentyl-N-(cyclopropylsulfonyl)-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

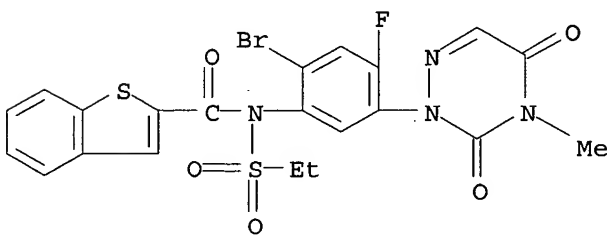
L16 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:466686 HCAPLUS
DOCUMENT NUMBER: 141:23556
TITLE: Preparation of 2-aryl-1,2,4-triazine-3,5-di(thi)ones as herbicides
INVENTOR(S): Linker, Karl-Heinz; Andree, Roland; Hoischen,

Dorothee; Schwarz, Hans-Georg; Kluth, Joachim; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany
SOURCE: Ger. Offen., 30 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10255416	A1	20040609	DE 2002-10255416	20021128
WO 2004048348	A1	20040610	WO 2003-EP12876	20031118

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2002-10255416 A 20021128
OTHER SOURCE(S): MARPAT 141:23556
ED Entered STN: 10 Jun 2004
AB Title compds. [I; Q1, Q2 = O, S; R1 = H, cyano, amino, (substituted) alkyl, alkoxy, alkylamino, dialkylamino, etc.; R2 = H, halo, NO2, carboxy, cyano, thiocarbamoyl, (substituted) alkyl, alkoxy, alkylthio, alkylamino, etc.; R3 = H, cyano, halo; R4 = halo; R5 = H, alkoxycarbonyl, etc.; R6 = amino, OH, etc.], were prepared Thus, 2-(4-bromo-2-fluoro-5-ethylsulfonylaminophenyl)-4-methyl-1,2,4-triazine-3,5(2H,4H)-dione (preparation given) and Et3N were stirred with 2,4-difluorophenylpropionyl chloride in 1,2-dichloroethane for 12 h at 25° to give 49% 2-[5-(N-2,4-difluorophenylpropionyl-N-ethylsulfonylamino)-4-bromo-2-fluorophenyl]-4-methyl-1,2,4-triazine-3,5-(2H,4H)-dione. The latter was said to show very strong pre- and postemergent herbicidal activity and good crop tolerance.
IT **698981-18-9P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (aryl)triazinedithiones as herbicides)
RN 698981-18-9 HCAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-bromo-5-(4,5-dihydro-4-methyl-3,5-dioxo-1,2,4-triazin-2(3H)-yl)-4-fluorophenyl]-N-(ethylsulfonyl)- (9CI) (CA INDEX NAME)

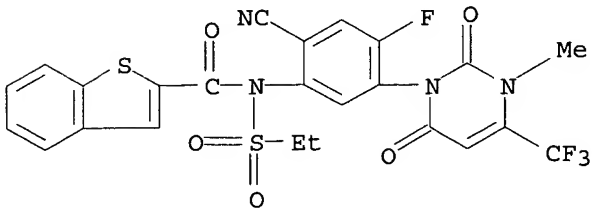


L16 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:417727 HCAPLUS
DOCUMENT NUMBER: 138:401749
TITLE: Preparation of N-(acylaminophenyl)uracils as herbicides and insecticides
INVENTOR(S): Andree, Roland; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf; Loesel, Peter
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003043994	A1	20030530	WO 2002-EP12501	20021108
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10157063	A1	20030605	DE 2001-10157063	20011121

PRIORITY APPLN. INFO.: DE 2001-10157063 A 20011121
OTHER SOURCE(S): MARPAT 138:401749
ED Entered STN: 01 Jun 2003
AB Title compds. [I; A = (substituted) (branched) alkenylene; R = (substituted)(monocyclic) aryl, heterocyclyl; whereby A and R can also be combined in bicyclic groups; R1 = H, amino, (substituted) alkyl; R2 = CO2H, cyano, (thio)carbamoyl, (substituted) alkyl, alkoxycarbonyl; R3 = H, halo, (substituted) alkyl; R4 = H, cyano, (thio)carbamoyl, halo; R5 = cyano, (thio)carbamoyl, halo, (substituted) alkyl, alkoxy; R6 = H, (substituted) alkyl, alkylcarbonyl, alkoxycarbonyl, alkylsulfonyl, alkenyl, alkenylcarbonyl, alkenylsulfonyl, alkynyl, cycloalkylcarbonyl, cycloalkylsulfonyl, arylcarbonyl, arylsulfonyl, arylalkylcarbonyl, arylalkylsulfonyl, heterocyclylcarbonyl, heterocyclylsulfonyl], were prepared Thus, a mixture of 1-(4-cyano-5-ethylsulfonylamino-2-fluorophenyl)-3-methyl-4-trifluoromethyl-3,6-dihydro-2,6-dioxo-1(2H)-pyrimidine, (2E/Z)-3-(3,4-dichlorophenyl)-2-propenoyl chloride, Et3N, and MeCN was stirred for 18 h at room temperature to give 71% (E/Z)-1-[4-cyano-5-(N-ethylsulfonyl-N-[3-(3,4-dichlorophenyl)-2-propenoyl]amino)-2-fluorophenyl]-3-methyl-4-trifluoromethyl-3,6-dihydro-2,6-1(2H)-pyrimidine. The latter at 1000 ppm was said to show very strong post- and preemergent herbicidal activity and good crop tolerance. I (A = CH:CH; R = 2-chlorophenyl; R1 = Me; R2 = CF3; R3 = H; R4 = F; R5 = cyano; R6 = SO2CH2CH3) at 100 ppm gave 100% control of Myzus persicae on Vicia faba minor.
IT **531509-89-4P**
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (acylaminophenyl)uracils as herbicides and insecticides)
RN 531509-89-4 HCAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-cyano-5-[3,6-dihydro-3-methyl-2,6-

dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-N-(ethylsulfonyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

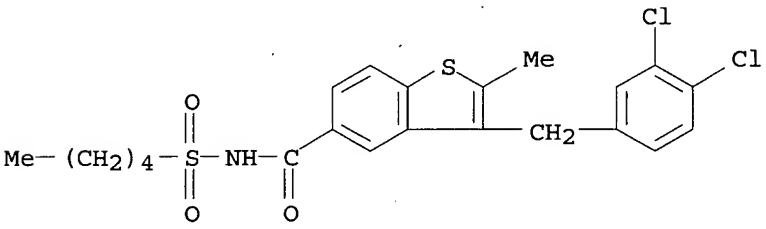
L16 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1999:34900 HCAPLUS
DOCUMENT NUMBER: 130:125067
TITLE: Preparation of heterocyclic moiety-containing sulfonamide compounds as hypoglycemics
INVENTOR(S): Kayakiri, Hiroshi; Abe, Yoshito; Hamashima, Hitoshi; Sawada, Hitoshi; Mizutani, Tsuyoshi; Yamasaki, Noritsugu; Onomura, Osamu; Nishikawa, Masahiro; Hiramura, Takahiro; Oku, Teruo; Imoto, Takafumi
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan; et al.
SOURCE: PCT Int. Appl., 472 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

applicants parent application & foreign equivalents

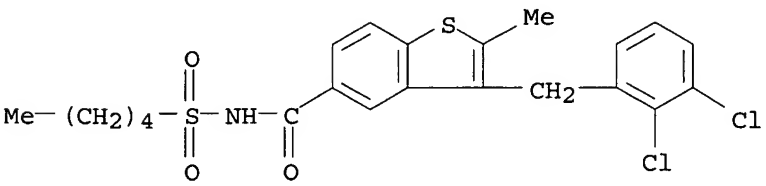
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9900372	A1	19990107	WO 1998-JP2877	19980624
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2295239	AA	19990107	CA 1998-2295239	19980624
AU 9879345	A1	19990119	AU 1998-79345	19980624
AU 745081	B2	20020314		
EP 995742	A1	20000426	EP 1998-929715	19980624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
TR 200000486	T2	20000821	TR 2000-200000486	19980624
BR 9810456	A	20010925	BR 1998-10456	19980624
RU 2199532	C2	20030227	RU 2000-101813	19980624
TW 426666	B	20010321	TW 1998-87110245	19980625
ZA 9805618	A	19990119	ZA 1998-5618	19980626
MX 9911779	A	20000630	MX 1999-11779	19991215
US 6348474	B1	20020219	US 2000-446110	20000214
US 2002099212	A1	20020725	US 2002-47093	20020117
US 6787565	B2	20040907		

US 2004180947 A1 20040916 US 2004-811989 20040330
PRIORITY APPLN. INFO.: JP 1997-208295 A 19970627
JP 1998-114718 A 19980424
WO 1998-JP2877 W 19980624
US 2000-446110 A3 20000214
US 2002-47093 A3 20020117

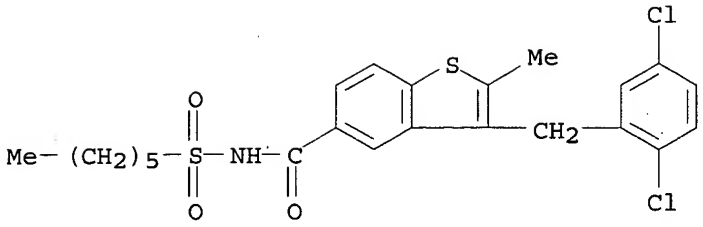
OTHER SOURCE(S): MARPAT 130:125067
ED Entered STN: 19 Jan 1999
AB The title compds. R1SO2NHCOAXR2 [R1 represents alkyl, alkenyl, alkynyl, etc.; A represents an optionally substituted polyheterocyclic group except benzimidazolyl, indolyl, 4,7-dihydrobenz-imidazolyl and 2,3-dihydrobenzoxazinyl; X represents alkylene, oxygen, oxygenated lower alkylene, etc.; and R2 represents optionally substituted aryl, substituted biphenylyl, etc.] are prepared These compds. are useful as hypoglycemics and have cGMP-PDE inhibitory, bronchodilating, vasodilating, smooth muscle cell inhibitory, and antiallergic effects, etc. 3-(2,4-Dichlorobenzyl)-2-methyl-5-(1-pentanesulfonylcarbamoyl)benzo[b]furan at 10 mg/kg gave 71% decrease of blood sugar in mice.
IT **219758-19-7P 219758-20-0P 219758-21-1P**
219758-45-9P 219758-46-0P 219758-47-1P
219758-48-2P 219758-49-3P 219758-50-6P
219758-83-5P 219758-84-6P 219758-85-7P
219759-14-5P 219760-14-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclic moiety-containing sulfonamide compds. as hypoglycemics)
RN 219758-19-7 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(3,4-dichlorophenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



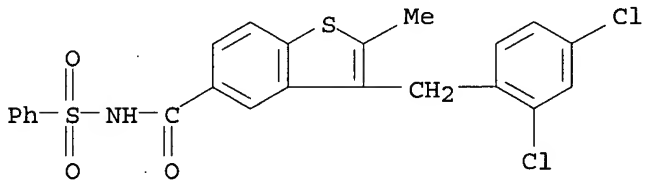
RN 219758-20-0 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(2,3-dichlorophenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



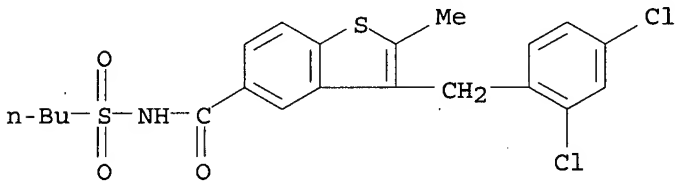
RN 219758-21-1 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(2,5-dichlorophenyl)methyl]-N-(hexylsulfonyl)-2-methyl- (9CI) (CA INDEX NAME)



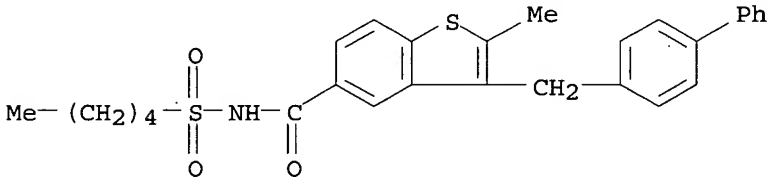
RN 219758-45-9 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(2,4-dichlorophenyl)methyl]-2-methyl-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



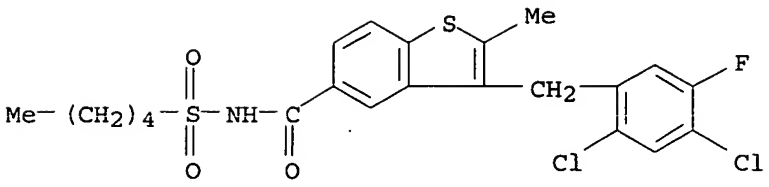
RN 219758-46-0 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, N-(butylsulfonyl)-3-[(2,4-dichlorophenyl)methyl]-2-methyl- (9CI) (CA INDEX NAME)



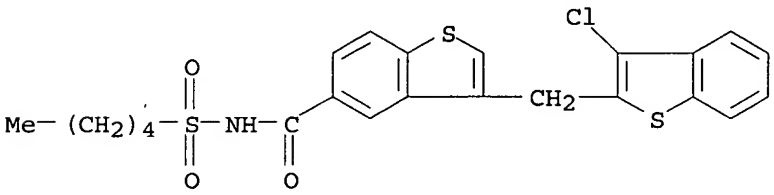
RN 219758-47-1 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-([1,1'-biphenyl]-4-ylmethyl)-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



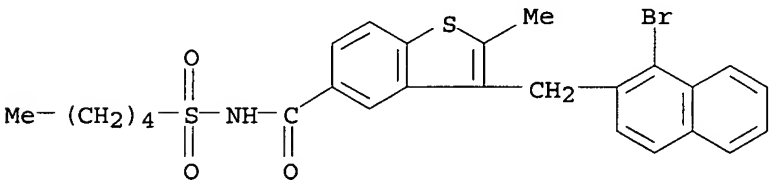
RN 219758-48-2 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(2,4-dichloro-5-fluorophenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



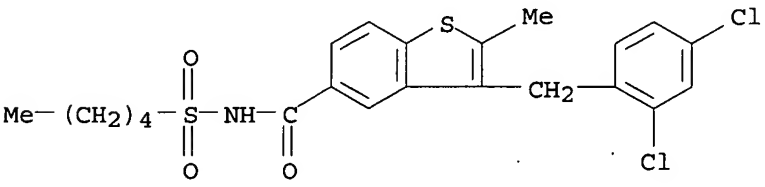
RN 219758-49-3 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(3-chlorobenzo[b]thien-2-yl)methyl]-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



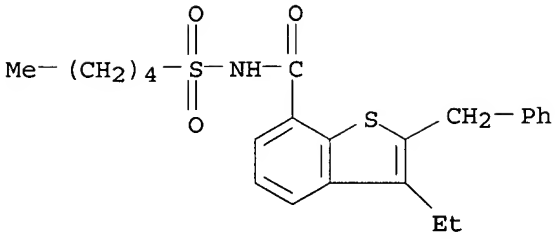
RN 219758-50-6 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(1-bromo-2-naphthalenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



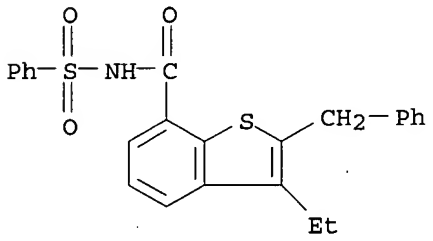
RN 219758-83-5 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(2,4-dichlorophenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



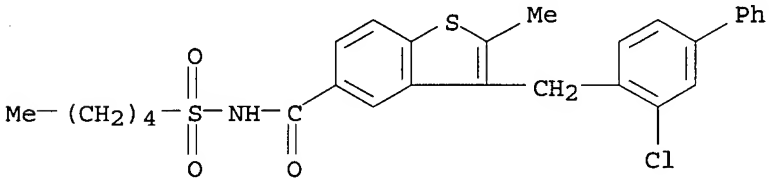
RN 219758-84-6 HCAPLUS
CN Benzo[b]thiophene-7-carboxamide, 3-ethyl-N-(pentylsulfonyl)-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



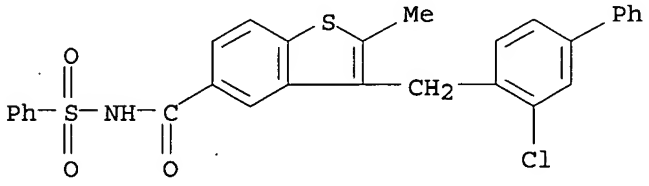
RN 219758-85-7 HCAPLUS
CN Benzo[b]thiophene-7-carboxamide, 3-ethyl-2-(phenylmethyl)-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 219759-14-5 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(3-chloro[1,1'-biphenyl]-4-yl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



RN 219760-14-2 HCAPLUS
CN Benzo[b]thiophene-5-carboxamide, 3-[(3-chloro[1,1'-biphenyl]-4-yl)methyl]-2-methyl-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



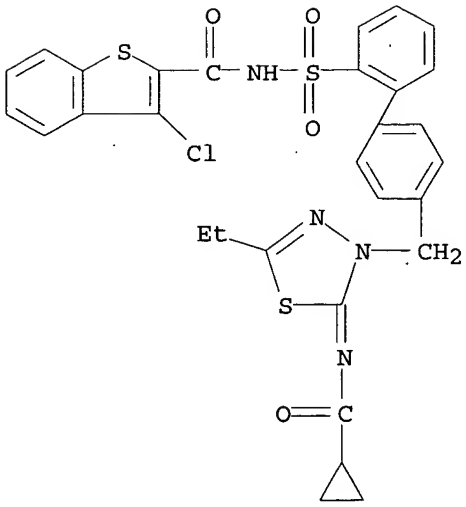
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:666870 HCAPLUS
DOCUMENT NUMBER: 125:301001
TITLE: Preparation of 3-(2'-sulfamoylbiphenyl-4-yl)methyl-2-imino-1,3,4-thiazolidine derivatives as antihypertensives
INVENTOR(S): Sakae, Shinya; Yokomoto, Masaharu; Inoe, Satoshi; Nishimura, Koji; Hirata, Akikage; Iguma, Kenichi; Tamura, Koichi
PATENT ASSIGNEE(S): Wakunaga Seiyaku Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
JP 08208632	A2	19960813	JP 1995-280093		19951027
PRIORITY APPLN. INFO.:			JP 1995-280093	A	19951027
			JP 1994-264755		19941028

OTHER SOURCE(S): MARPAT 125:301001
ED Entered STN: 13 Nov 1996
AB The title compds. [I; R1 = H, COR2; wherein R2 = (un)substituted lower alkyl, cycloalkyl, or cycloalkenyl, (un)substituted aryl-lower alkyl or aryl-lower alkenyl, Ph, or aromatic heterocyclyl, lower alkoxy or aralkyloxy; R3 = halo, lower alkyl or cycloalkyl, (un)substituted Ph, lower alkyl alkoxy; R4 = H, lower alkyl, acyl; R5, R6 = H, halo, lower alkyl], which show potent angiotensin II-antagonizing, smooth muscle-relaxing, and antihypertensive activity, are prepared Thus, 533 mg 5-ethyl-2-trifluoroacetamido-1,3,4-thiadiazole and 1.00 g 4-bromomethyl-2'-(N-tert-butylsulfamoylbiphenyl-4-yl)biphenyl were added to DMF and stirred at room temperature for 4 h to give 606 mg I (R1 = CF3CO, R3 = Et, R5 = R6 = H, R4 = tert-butyl). I (R1 = Q, R3 = Et, R4 = CO2Et, R5 = R6 = H) and I (R1 = 2-ClC6H4CO, R3 = Et, R4 = COC6H4CO2Me-2, R5 = R6 = H) in vitro showed IC50 of 3.0 and 5.3 nM, resp., for inhibiting angiotensin II and in vivo inhibited angiotensin II-induced hypertension of rats by 53.4 and 62.3%, resp., at 0.1 mg/kg i.v.
IT **183000-11-5P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of [(sulfamoylbiphenylyl)methyl]iminothiazolidine derivs. as antihypertensives, angiotensin II antagonists, and smooth muscle relaxants)
RN 183000-11-5 HCAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3-chloro-N-[[4'-[[2-[(cyclopropylcarbonyl)imino]-5-ethyl-1,3,4-thiadiazol-3(2H)-yl]methyl][1,1'-biphenyl]-2-yl]sulfonyl]- (9CI) (CA INDEX NAME)



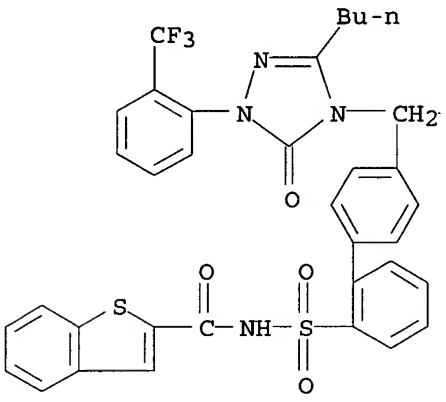
L16 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1994:700817 HCAPLUS
DOCUMENT NUMBER: 121:300817
TITLE: Triazolinone Biphenylsulfonamide Derivatives as Orally Active Angiotensin II Antagonists with Potent AT1 Receptor Affinity and Enhanced AT2 Affinity
AUTHOR(S): Ashton, Wallace T,; Chang, Linda L.; Flanagan, Kelly L.; Hutchins, Steven M.; Naylor, Elizabeth M.; Chakravarty, Prasun K.; Patchett, Arthur A.; Greenlee, William J.; Chen, Tsing-Bau; Faust, Kristie A.; Chang, Raymond S. L.; Lotti, Victor J.; Zingaro, Gloria J.; Schorn, Terry W.; Siegl, Peter K. S.; Kivlighn, Salah D.
CORPORATE SOURCE: Merck Research Laboratories, Rahway, NJ, 07065, USA
SOURCE: Journal of Medicinal Chemistry (1994), 37(17), 2808-24
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 24 Dec 1994
AB Several series of 2,4-dihydro-2,4,5-trisubstituted-3H-1,2,4-triazol-3-ones with acidic sulfonamide replacements of tetrazole at the 2'-position of the biphenyl-4-ylmethyl side chain at N4 were prepared and tested as angiotensin II (AII) antagonists. Preferred substituents on the triazolinone ring were Bu at C5 and 2-(trifluoromethyl)phenyl at N2. Subnanomolar IC50 values at the AT1 receptor subtype were observed for a variety of acylsulfonamides, including aroyl, heteroaroyl, and cycloalkylcarbonyl derivs. Certain other acidic sulfonamides, such as sulfonylcarbamates and disulfimides also displayed high affinity for the AT1 receptor. In addition, AT2 binding for some of these compds. was increased by as much as 1000-fold over the corresponding tetrazole, e.g. AT2 IC50 17 nM for I (R = Me3CO). When evaluated for inhibition of the AII pressor response, the benchmark benzoylsulfonamide I (R = Ph) (L-159,913) was efficacious in several species and was superior to losartan in conscious rhesus monkeys. Several subsequent analogs, including the I (R = 2-ClC6H4 , 3-chlorothiophene-2-yl, (S)-2,2-dimethylcyclopropyl, Me3CO) derivs., were highly effective in rats, surpassing I (R = Ph) and losartan in duration of action and/or potency. Compound I (R = 2-ClC6H4) (L-162,223) displayed very prolonged AII

antagonism in the rat model (>24 h at 1 mg/kg i.v.). At 1 mg/kg po in rats, I (R = 2-ClC6H4) and I (R = Me3CO) (L-162,234) produced 85-87% peak inhibition of the AII pressor response with duration exceeding 6 h. The identification of triazolinone-based sulfonamide derivs. combining high AT1 affinity, considerably enhanced AT2 potency, and favorable in vivo properties provides insights relevant to the design of dual AT1/AT2 receptor antagonists.

IT **147776-19-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and angiotensin II antagonist activity of)

RN 147776-19-0 HCAPLUS

CN Benzo[b]thiophene-2-carboxamide, N-[[4'-[[3-butyl-1,5-dihydro-5-oxo-1-[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazol-4-yl]methyl][1,1'-biphenyl]-2-yl]sulfonyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1993:254937 HCAPLUS
DOCUMENT NUMBER: 118:254937
TITLE: Substituted triazolinones
INVENTOR(S): Ashton, Wallace T.; Chang, Linda L.; MacCoss, Malcolm; Chakravarty, Prasun K.; Greenlee, William J.; Patchett, Arthur A.; Walsh, Thomas F.; Flanagan, Kelly; Rivero, Ralph A.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: PCT Int. Appl., 128 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9301177	A1	19930121	WO 1992-US5483	19920630
W: BG, CS, FI, HU, NO, PL, RO, RU				
CA 2072775	AA	19930104	CA 1992-2072775	19920630
EP 526001	A1	19930203	EP 1992-306106	19920701
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
AU 9219387	A1	19930107	AU 1992-19387	19920702
AU 648677	B2	19940428		
ZA 9204916	A	19930331	ZA 1992-4916	19920702
JP 05294947	A2	19931109	JP 1992-214460	19920703

PRIORITY APPLN. INFO.: US 1991-725720 A 19910703
US 1991-812891 A 19911220

OTHER SOURCE(S): MARPAT 118:254937

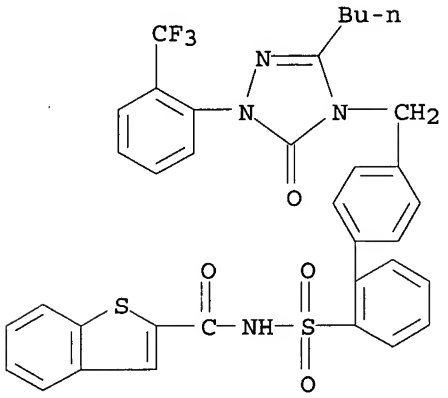
ED Entered STN: 26 Jun 1993

AB Triazolinones I (R = H, Me, CF3, halo; R1 = H or NO2, amino or other group at 3-, 4-, or 5-position; R2 = H, C1-C4 alkyl or alkoxy, halo; R3 = Ph or substituted Ph) were prepared for the treatment of hypertension (compns. prepared). Thus, cyclocondensation of 2-(trifluoromethyl)phenylhydrazine with Et N-carbethoxyvalerimidate in the presence of ET3N afforded 66% triazolinone II. The latter underwent sequential alkylation with [2-(N-tert-butylsulfamoyl)biphenyl-4-yl]methyl bromide, cleavage of the tert-Bu group by CF3CO3H, and N-acylation with BzCL to give I (R = CF3, R1 = R2 = H, R3 = Bz).

IT **147776-19-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 147776-19-0 HCAPLUS

CN Benzo[b]thiophene-2-carboxamide, N-[[4'-[[3-butyl-1,5-dihydro-5-oxo-1-[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazol-4-yl]methyl][1,1'-biphenyl]-2-yl]sulfonyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1979:540735 HCAPLUS
DOCUMENT NUMBER: 91:140735
TITLE: 10,11-Dihydro-11-oxodibenzo[b,f]thiepins
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54044692	A2	19790409	JP 1978-90550	19780726
EP 978	A1	19790307	EP 1978-300184	19780721
EP 978	B1	19820915		
R: BE, CH, DE, FR, GB, LU, NL, SE				
DK 7803306	A	19790127	DK 1978-3306	19780725
US 4394515	A	19830719	US 1981-251221	19810406

PRIORITY APPLN. INFO.: US 1977-819200 A 19770726

US 1978-917211 A 19780623

OTHER SOURCE(S): CASREACT 91:140735

ED Entered STN: 12 May 1984

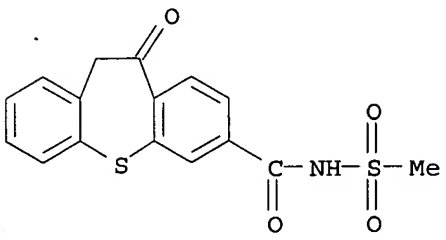
AB Dihydroxodibenzothiepins I [X = S, SO, SO2; R = 5-tetrazolyl, 3-hydroxy-1,2,5-thiadiazol-4-yl, 4-hydroxy-2,5-dioxo-3-pyrrolin-3-yl, COR2 (R2 = OH, alkoxy, amino, etc.); n = 0-4; R1 = H, halo, NH2, alkyl, alkanoyl, alkoxy, thiol, alkylamino, etc.] were prepared I are antagonists for prostaglandins and antiasthma (allergic) agents (no data). Thus, cyclization of 2-(3-BrC6H4S)C6H4CH2COCl by AlCl3 in (CH2Cl)2 gave I (R = Br, n = 0, R' = H, X = S).

IT **71489-94-6P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 71489-94-6 HCAPLUS

CN Dibenzo[b,f]thiepin-3-carboxamide, 10,11-dihydro-N-(methylsulfonyl)-11-oxo- (9CI) (CA INDEX NAME)



L16 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1979:540734 HCAPLUS

DOCUMENT NUMBER: 91:140734

TITLE: Dibenzo[b,f]thiepins

PATENT ASSIGNEE(S): Merck and Co., Inc., USA

SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 54044691	A2	19790409	JP 1978-90549	19780726
JP 62050470	B4	19871024		
ES 471871	A1	19791001	ES 1978-471871	19780719
AU 7838177	A1	19800124	AU 1978-38177	19780719
AU 517813	B2	19810827		
EP 11067	A1	19800528	EP 1978-300183	19780721
EP 11067	B1	19820421		
R: BE, CH, DE, FR, GB, LU, NL, SE				
NO 7802539	A	19790129	NO 1978-2539	19780724
DK 7803305	A	19790127	DK 1978-3305	19780725
FI 7802323	A	19790127	FI 1978-2323	19780725
ZA 7804231	A	19800227	ZA 1978-4231	19780725
DD 140746	C	19800326	DD 1978-206923	19780725
CA 1128048	A1	19820720	CA 1978-308068	19780725
PL 116355	B1	19810630	PL 1978-208653	19780726
PL 117756	B1	19810831	PL 1978-219619	19780726
PL 120813	B1	19820331	PL 1978-225727	19780726

ES 479215	A1	19790701	ES 1979-479215		19790402
ES 479216	A1	19790701	ES 1979-479216		19790402
ES 479217	A1	19790701	ES 1979-479217		19790402
ES 479218	A1	19791101	ES 1979-479218		19790402
PRIORITY APPLN. INFO.:			US 1977-819199	A	19770726
			US 1978-917212	A	19780623

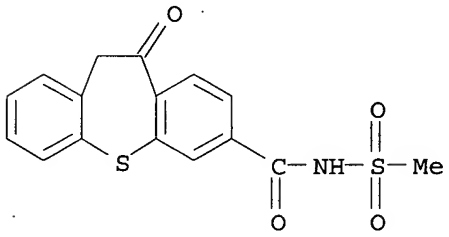
ED Entered STN: 12 May 1984

AB Dibenzothiepins I [X = S, SO, SO2; R = H, halo, NH2, alkyl, alkanoyl, alkoxy, thiol, alkylamino etc.; n = 0-4; R1 = 5-tetrazolyl, 3-hydroxy-1,2,5-thiadiazol-4-yl, 4-hydroxy-2,5-dioxo-3-pyrrolin-3-yl, COR2 (R2 = OH, alkoxy, amino, etc.)] were prepared I are antagonists of for prostaglandins and antiasthma agents. Thus, cyclization of 2-(3-BrC6H4S)C6H4CH2COCl by AlCl3 in (ClCH2)2 gave II (R1 = Br, X = S), which was reduced by NaBH4 to give the 11-OH derivative The latter was dehydrated by p-MeC6H4SO3H to give III (R1 = Br, X = S), which was cyanated to give the 3-CN derivative (IV). Hydrolysis of IV gave III (R1 = CO2H, X = S). Oxidation of IV by m-chloroperbenzoic acid gave sulfone III (R1 = CN, X = SO2) (V). Hydrolysis of V gave III (R1= CO2H, X = SO2). Cyclization of V with NaN3 gave III (R1= 5-tetrazolyl, X = SO2).

IT **71489-94-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 71489-94-6 HCAPLUS

CN Dibenzo[b,f]thiepin-3-carboxamide, 10,11-dihydro-N-(methylsulfonyl)-11-oxo- (9CI) (CA INDEX NAME)



L16 ANSWER 13 OF 18 USPATFULL on STN

ACCESSION NUMBER: 2004:240310 USPATFULL

TITLE: Viral polymerase inhibitors

INVENTOR(S): Poupart, Marc-Andre, Laval, CANADA
Beaulieu, Pierre Louis, Rosemere, CANADA
Rancourt, Jean, Laval, CANADA

PATENT ASSIGNEE(S): Boehringer Ingelheim International GmbH, Ingelheim, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004186125	A1	20040923
APPLICATION INFO.:	US 2004-755544	A1	20040112 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-441674P	20030122 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BOEHRINGER INGELHEIM CORPORATION, 900 RIDGEBURY RD, P O BOX 368, RIDGEFIELD, CT, 06877

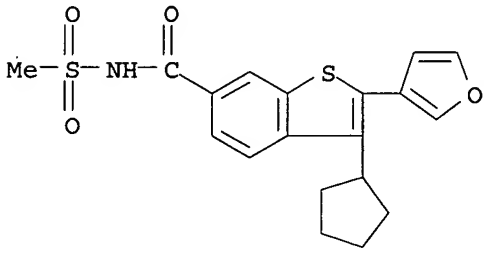
NUMBER OF CLAIMS: 42

EXEMPLARY CLAIM: 1
LINE COUNT: 2152
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An isomer, enantiomer, diastereoisomer or tautomer of a compound, represented by formula I: ##STR1##

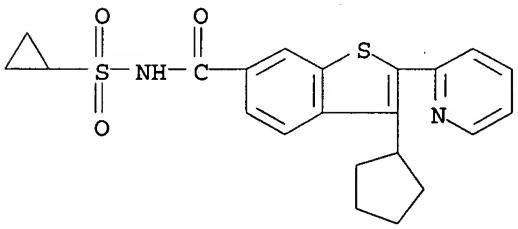
wherein wherein A, B, R.sup.2, R.sup.3, M.sup.1, M.sup.2, M.sup.3, M.sup.4, Y.sup.1 and Z are as defined in claim 1, or a salt thereof, as an inhibitor of HCV NS5B polymerase.

IT **733035-64-8P 733035-65-9P**
(preparation of heterocyclic compds., useful as inhibitors of RNA dependent RNA polymerases)

RN 733035-64-8 USPATFULL
CN Benzo[b]thiophene-6-carboxamide, 3-cyclopentyl-2-(3-furanyl)-N-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 733035-65-9 USPATFULL
CN Benzo[b]thiophene-6-carboxamide, 3-cyclopentyl-N-(cyclopropylsulfonyl)-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



L16 ANSWER 14 OF 18 USPATFULL on STN
ACCESSION NUMBER: 2004:233873 USPATFULL
TITLE: Sulfonamide compounds and pharmaceutical use thereof
INVENTOR(S): Kayakiri, Hiroshi, Suita-shi, JAPAN
Abe, Yoshito, Tsukuba-shi, JAPAN
Hamashima, Hitoshi, Kyoto-shi, JAPAN
Sawada, Hitoshi, Tsukuba-shi, JAPAN
Mizutani, Tsuyoshi, Tsukuba-shi, JAPAN
Oku, Teruo, Takatsuki-shi, JAPAN
Yamasaki, Noritsugu, Himeji-shi, JAPAN
Onomura, Osamu, Nagasaki-shi, JAPAN
Nishikawa, Masahiro, Arai-shi, JAPAN
Hiramura, Takahiro, Arai-shi, JAPAN
Imoto, Takafumi, Arai-shi, JAPAN
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Osaka-shi, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004180947	A1	20040916
APPLICATION INFO.:	US 2004-811989	A1	20040330 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 2002-47093, filed on 17 Jan 2002, PENDING Division of Ser. No. US 2000-446110, filed on 14 Feb 2000, GRANTED, Pat. No. US 6348474 A 371 of International Ser. No. WO 1998-JP2877, filed on 24 Jun 1998, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-208295	19970627
	JP 1998-114718	19980424

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 13147
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

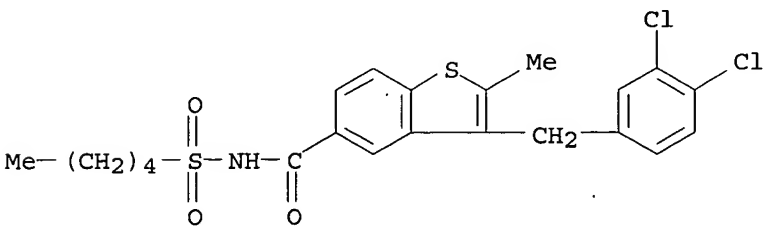
AB A sulfonamide compound of the formula (I):

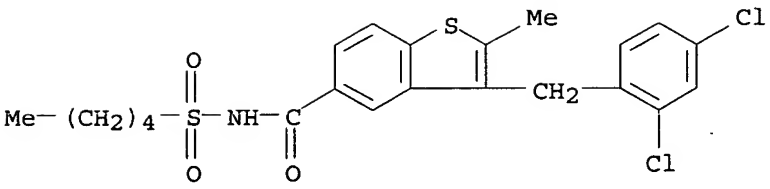
R.sup.1--SO.sub.2NHCO-A-X--R.sup.2 (I)

wherein R.sup.1 is alkyl, alkenyl, alkynyl and the like; A is an optionally substituted heteropolycylic group except benzimidazolyl, indolyl, 4,7-dihydrobenzimidazolyl and 2,3-dihydrobenzoxazinyl; X is alkylene, oxa, oxa(lower)alkylene and the like; and R.sup.2is optionally substituted aryl, substituted biphenylyl and the like, a salt thereof and a pharmaceutical composition comprising the same. The sulfonamide compound is effective for the diseases treatable based on their blood sugar level-depressing activity, cGMP-PDE (especially PDE-V)-inhibiting activity, smooth muscle relaxing activity, bronchodilating activity, vasodilating activity, smooth muscle cell suppressing activity, and antiallergic activity.

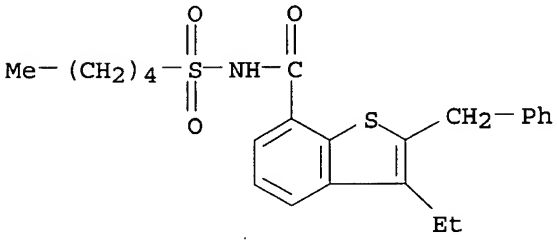
IT **219758-19-7P 219758-20-0P 219758-21-1P 219758-45-9P 219758-46-0P 219758-47-1P 219758-48-2P 219758-49-3P 219758-50-6P 219758-83-5P 219758-84-6P 219758-85-7P 219759-14-5P 219760-14-2P**
(preparation of heterocyclic moiety-containing sulfonamide compds. as hypoglycemics)

RN 219758-19-7 USPATFULL
CN Benzo[b]thiophene-5-carboxamide, 3-[(3,4-dichlorophenyl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)

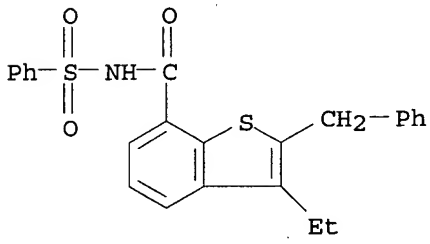




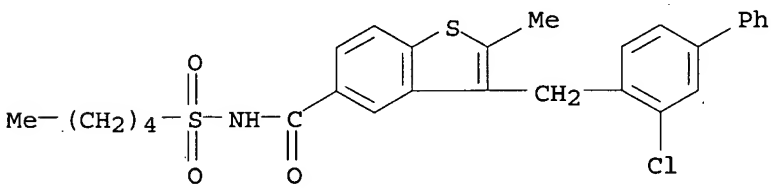
RN 219758-84-6 USPATFULL
CN Benzo[b]thiophene-7-carboxamide, 3-ethyl-N-(pentylsulfonyl)-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



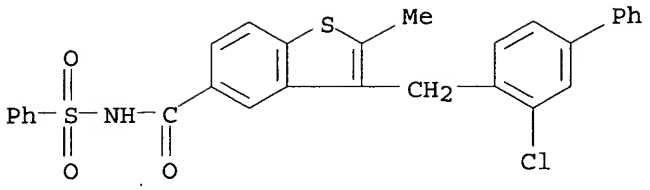
RN 219758-85-7 USPATFULL
CN Benzo[b]thiophene-7-carboxamide, 3-ethyl-2-(phenylmethyl)-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



RN 219759-14-5 USPATFULL
CN Benzo[b]thiophene-5-carboxamide, 3-[(3-chloro[1,1'-biphenyl]-4-yl)methyl]-2-methyl-N-(pentylsulfonyl)- (9CI) (CA INDEX NAME)



RN 219760-14-2 USPATFULL
CN Benzo[b]thiophene-5-carboxamide, 3-[(3-chloro[1,1'-biphenyl]-4-yl)methyl]-2-methyl-N-(phenylsulfonyl)- (9CI) (CA INDEX NAME)



L16 ANSWER 15 OF 18 USPATFULL on STN
ACCESSION NUMBER: 2002:186289 USPATFULL
TITLE: Sulfonamide compounds and pharmaceutical use thereof
INVENTOR(S): Kayakiri, Hiroshi, Osaka, JAPAN
Abe, Yoshito, Ibaraki, JAPAN
Hamashima, Hitoshi, Kyoto, JAPAN
Sawada, Hitoshi, Ibaraki, JAPAN
Mizutani, Tsuyoshi, Ibaraki, JAPAN
Oku, Teruo, Osaka, JAPAN
Yamasaki, Noritsugu, Hyogo, JAPAN
Onomura, Osamu, Nagasaki, JAPAN
Nishikawa, Masahiro, Niigata, JAPAN
Hiramura, Takahiro, Niigata, JAPAN
Imoto, Takafumi, Niigata, JAPAN
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co. Ltd., Osaka-shi, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002099212	A1	20020725
	US 6787565	B2	20040907
APPLICATION INFO.:	US 2002-47093	A1	20020117 (10)

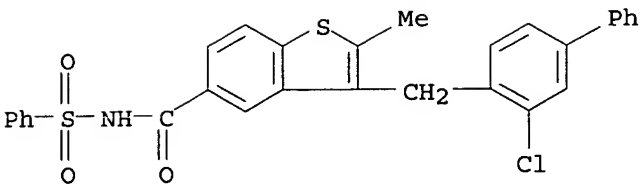
RELATED APPLN. INFO.: Division of Ser. No. US 2000-446110, filed on 14 Feb 2000, PATENTED

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1997-208295	19970627
	JP 1998-114718	19980424
	WO 1998-JP2877	19980624

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 13171
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A sulfonamide compound of the formula (I):

R.sup.1--SO.sub.2NHCO--A--X--R.sup.2 (I)

wherein R.sup.1 is alky, alkenyl, alkynyl and the like; A is an optionally substituted heteropolycyclic group except benzimidazolyl, indolyl, 4,7-dihydrobenzimidazolyl and 2,3-dihydrobenzoxazinyl; X is alkylene, oxa, oxa(lower)alkylene and the like; and R.sup.2 is optionally substituted aryl, substituted biphenylyl and the like, a salt thereof and a pharmaceutical composition comprising the same. The



L16 ANSWER 17 OF 18 USPATFULL on STN

ACCESSION NUMBER:	93:43810 USPATFULL
TITLE:	Sulfamoylphenylureas
INVENTOR(S):	Burckhardt, Urs, Basel, Switzerland Soliman, Raafat, Alexandria, Egypt Topfl, Werner, Dornach, Switzerland Waespe, Hans-Rudolf, Allschwil, Switzerland
PATENT ASSIGNEE(S):	Ciba-Geigy Corporation, Ardsley, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5215570		19930601
APPLICATION INFO.:	US 1991-637097		19910103 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-422863, filed on 17 Oct 1989, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1988-3914	19881020

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Ivy, C. Warren
ASSISTANT EXAMINER:	Chang, Celia
LEGAL REPRESENTATIVE:	Roberts, Edward McC.
NUMBER OF CLAIMS:	36
EXEMPLARY CLAIM:	1
LINE COUNT:	1724

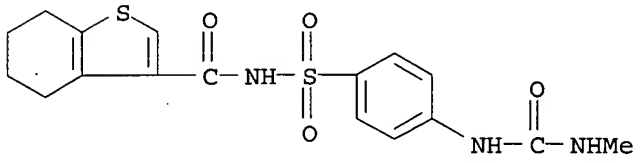
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The N-acylsulfamoylphenylureas of formula I below are suitable as counter-agents (antidotes or safeners) for protecting cultivated plants from the phytotoxic action of herbicides. Suitable crops are preferably cereals, soybeans, sorghum, maize and rice, and suitable herbicides are sulfonylureas, chloroacetanilides and aryloxyphenoxypropionic acid derivatives.

The N-acylsulfamoylphenylureas have the formula I ##STR1## wherein A is a radical selected from the group ##STR2## R.sub.1 is C.sub.1 -C.sub.4 -alkoxy or each of R.sub.1 and R.sub.2, independently of the other, is hydrogen, C.sub.1 -C.sub.8 alkyl, C.sub.3 -C.sub.8 cycloalkyl, C.sub.3 -C.sub.6 alkenyl, C.sub.3 -C.sub.6 alkynyl, ##STR3## or C.sub.1 -C.sub.4 alkyl substituted by C.sub.1 -C.sub.4 alkoxy or by ##STR4## or R.sub.1 and R.sub.2 together form a C.sub.4 -C.sub.6 alkylene bridge, or a C.sub.4 -C.sub.6 alkylene bridge interrupted by oxygen, sulfur, SO, SO.sub.2, NH or by --N(C.sub.1 -C.sub.4 alkyl)-, R.sub.3 is hydrogen or C.sub.1 -C.sub.4 alkyl, R.sub.a to R.sub.h, R.sub.x and R.sub.y are as defined in the disclosure.

IT **129513-59-3P**
(preparation of, as herbicide safener)

RN 129513-59-3 USPATFULL
CN Benzo[b]thiophene-3-carboxamide, 4,5,6,7-tetrahydro-N-[[4-[[(methylamino)carbonyl]amino]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



L16 ANSWER 18 OF 18 USPATFULL on STN
ACCESSION NUMBER: 83:30605 USPATFULL
TITLE: 10,11-Dihydro-11-oxodibenzo[b,f]thiepin compounds
INVENTOR(S): Rokach, Joshua, Chomedey-Laval, Canada
Rooney, Clarence S., Worcester, PA, United States
Cragoe, Jr., Edward J., Lansdale, PA, United States
PATENT ASSIGNEE(S): Merck & Co., Inc., Rahway, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4394515		19830719
APPLICATION INFO.:	US 1981-251221		19810406 (6)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1978-917211, filed on 23 Jun 1978, now abandoned which is a continuation-in-part of Ser. No. US 1977-819200, filed on 26 Jul 1977, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Daus, Donald G.
ASSISTANT EXAMINER: Springer, D. B.
LEGAL REPRESENTATIVE: Linek, Ernest V., Pfeiffer, Hesna J., Arther, Thomas E.
NUMBER OF CLAIMS: 2
EXEMPLARY CLAIM: 1,2
LINE COUNT: 1495
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Novel 7- and 8-R-10,11-dihydro-11-oxodibenzo[b,f]thiepin derivatives are employed in the treatment and control of allergic conditions such as allergic asthma.
IT **71489-94-6P**
(preparation of)
RN 71489-94-6 USPATFULL
CN Dibenzo[b,f]thiepin-3-carboxamide, 10,11-dihydro-N-(methylsulfonyl)-11-oxo- (9CI) (CA INDEX NAME)